

SUMMARY OF SUBCOMMITTEE MEETING

DATE: January 17, 2002

TO: Ross Dunfee, Steering Committee Chairman
Tony Barrett, Department of Ecology

COPY: Steering Committee Members and Consultant Team

FROM: Doug Busko, DEA and Jim St. John, DEA

SUBJECT: **Summary of Stormwater Manual Subcommittee Meeting**
Moses Lake Conference Center
January 10, 2002 9:00 am – 2:00 pm

PROJECT: EASTERN WASHINGTON STORMWATER MANAGEMENT
Stormwater Management Technical Manual *and*
Model Municipal NPDES Phase II Stormwater Program

Subcommittee Meeting Attendees:

Dan Gatchalian – Yakima County	Khalid Marcus – Yakima County
John Hohman – Spokane County	Paula Cox – Chelan County
Steve Worley – Spokane County	Steve Hansen – City of Spokane
Jocelyne Gray – JUB Engineers	Gary Nelson – Spokane County
Ryan Lyyski – City of Ellensburg	Jim St. John – DEA
Greg Lahti – WSDOT	Doug Busko – DEA
Nancy Aldrich – City of Richland	Steve King – RH2 Engineering
Ron Anderson – CWHBA	Beth Kochur – HDR Engineering
Michele Brich – Tri-Cities Homebuilders	Dave Kliewer – JUB Engineers
Sandra Levey – Grant County PUD	Michael Hepp - Ecology
John Heinley - WSDOT	Tony Barrett - Ecology
Paul Bennett – Kittitas County	

PURPOSE OF MEETING:

This meeting was held to gather the core subcommittee members and at-large members for:

- ❖ Discussion of the revised matrices, minimum requirements, and thresholds
- ❖ Review of draft sections on Source Control and Erosion Control
- ❖ Discussion of proposed “white paper” topics

AGENDA FOR THIS MEETING:

1. Introductions, review of agenda, review of summary from 12/13/01 meeting
2. Review of draft sections on Source Control and Erosion Control – minimal review due to problems with some people not able to access the FTP site, due to limitations of their system and/or software
3. Review of revised matrices and further discussion of thresholds and minimum requirements
4. Review of local issues that will not be included in the manual – not discussed at this meeting
5. Discussion of proposed “white paper” topics
6. Adjourn

BRIEF SUMMARY OF PROCEEDINGS:

1. Doug Busko welcomed everyone and reviewed the day’s agenda along with the summary from the 12/13/01 subcommittee meeting.
2. One third of the committee could not access the FTP site and did not receive the documents to be reviewed at this meeting. Dave Moss of TetraTech suggested the problems were probably at the user level, and encouraged each person to contact their IT Department to work through the issue. Dave took note of who was having difficulties and will work to resolve the issues this month. A help list will be distributed.
3. Jim St. John passed out and reviewed his revised infiltration and surface water discharge matrices of requirements with the group. Significant discussion centered around whether the manual should be addressing parcels less than 1 acre in area, since the Phase II requirements do not address projects smaller than 1 acre. The inclusion of a threshold for impervious area was also discussed. Several hypothetical projects were discussed, illustrating how various developments would or wouldn’t fall under the guidelines. For instance, Dave Kliever offered for example a 40,000 square foot lot that is being paved with 30,000 square feet of asphalt. This project would not require stormwater management if projects less than 1 acre in area are not included in the manual.

Steve Worley commented that there are a couple of issues at play in the matrices: (1) The pollutant generating impervious surface (PGIS) area determines requirements for water quality treatment, and (2) The lot size threshold of 1 acre for general stormwater management.

A brief discussion of what various municipalities use for their minimum PGIS area followed. Steve Hansen said the City of Spokane uses 6,000 square feet. It was noted that Western Washington uses a PGIS area of 5,000 square feet, and Spokane County uses 3,000 square feet. It was suggested that if the water quality goal is 90% capture of pollutants, then maybe the threshold should be set so that 90% of the projects would need to comply with requirements.

An informal vote on the issue of whether to address parcels less than 1 acre revealed that a majority of the group favored it. Michele Brich noted that the subcommittee had previously agreed only to address the NPDES requirements in our manual. Discussion on this issue concluded with agreement that it, along with the minimum PGIS area, needs to be reviewed by the Steering Committee.

4. Flow control will be included in the Surface Discharge matrix, not for flood control, but for streambank erosion control. Flow control exemptions could be made if a site discharges to a major lake or river. It was noted that the Western Washington manual included several waterbodies for exemption in its early stages, but NMFS and Fish and Wildlife objected. Ultimately, the exempted waterbodies included: the Columbia River;

Lake Sammamish, Silver Lake, Lake Union, Lake Washington, and Lake Whatcom; and discharges into wetlands. It was noted that a flow control exemption should be made for roads in rural areas.

5. A draft hydrology analysis was posted on the FTP site for review prior to the meeting, but many attendees were not able to download it. Jim St. John summarized that a critical item in the analysis was that the water quality storm could be a twice per year event and would be equivalent to 60 to 70% of the two year 24 hour storm. Steve Worley noted that this was greater than what Spokane County was using and requested DEA to revise the proposal to a storm that would collect 85% to 90% of the pollutants, or, alternatively, those storms that represent 85% to 90% of the annual runoff.
6. A brief list of “white paper” topics was generated from the subcommittee’s suggestions. These include:
 - Should the manual include parcels less than 1 acre? What should the PGIS threshold be? [The steering committee later voted to exclude any parcels less than 1 acre from further consideration.]
 - Detention and flow control exemptions.
 - Drywell rating system, assessment of CARA system created by Ecology.
 - Water quality design storm, based on Mel Schaefer’s work.
 - Applicability and simplification of the erosivity waivers stated in the NPDES Phase 2 permit fact sheets published by the EPA. [The steering committee later voted not to have a white paper on this topic, at least at this time.]
7. Doug Busko passed out the proposed Erosion Control and Source Control sections to the members. Due to time constraints, these were not reviewed, but will be reviewed at the next meeting.
8. For the **next meeting** (Moses Lake Conference Center on **February 14, 2002** from 9am to 2pm):
 - ❖ Review the roles of the consultant, subcommittee chair, and participants
 - ❖ Review the latest schedule for preparing the manual; summarize the work to date and work to be done
 - ❖ Review the Erosion Control and Source Control sections
 - ❖ Review Infiltration/Detention methods
 - ❖ Review Water Quality BMP’s
 - ❖ Discuss the status of the “white paper” topics